

Claims

- [c1] 1. A transformer module having an external transmission element capable of reducing interferences between adjacent transformers, comprising:
- at least a bobbin, enclosing a hollow central region and comprising a receiving hole, wherein two sides of said bobbin comprises an inlaying portion and a buckling portion, and wherein a plurality of terminals extend from said buckling portion;
- a core element, positioned inside said receiving hole of said bobbin, wherein two ends of said core element protrude out of said inlaying portions of said bobbin; and
- a transmission element, comprising a holding portion at two sides thereof, wherein said transmission element is secured at said inlaying portion of said bobbin by inlaying said holding portion of the transmission element into said inlaying portion of said bobbin and thereby electrically connecting said transmission element with said core element to conduct and stabilize a magnetic field.
- [c2] 2. The transformer module according to claim 1, wherein said transmission element is made of a conductive material.

- [c3] 3. The transformer module according to claim 1, wherein said transmission element comprises a protruded holding portion at two sides thereof.
- [c4] 4. The transformer module according to claim 1, wherein said buckling portion at two sides of said bobbin comprises a buckling element and a buckling groove.
- [c5] 5. The transformer module according to claim 4, wherein said transformer module comprises a plurality of bobbins, and wherein said buckling element of one of said bobbins is buckled to said buckling groove of said other bobbin of said bobbins to joint securely.
- [c6] 6. The transformer module according to claim 5, wherein said transmission element of each bobbin is positioned independently.
- [c7] 7. The transformer module according to claim 1, wherein said inlaying portion formed at two sides of said bobbin comprises an inlaying groove respectively.
- [c8] 8. The transformer module according to claim 1, wherein a lid covers a top of said bobbin, and wherein said lid comprises a plurality of jointing portions at sides thereof.
- [c9] 9. The transformer module according to claim 8, wherein

said jointing portions formed at sides of said lid comprises long bars.